



## STAFF NOTES

### Applied Science and Engineering

PROF. GEORGE SINCLAIR has been appointed a member of the Committee for Advanced Scientific Studies of Université Internationale, Ann Arbor, Mich.

PROF. W. JANISCHEWSKYJ participated from April 10 to 14 in the INTERMAG Conference in Kyoto, Japan. His presence in Japan was utilized also for technical visits to universities and research institutes, where he had discussions with professorial staff and researchers working in the high voltage area. In particular, he paid visits to the Kyushu University in Fukuoka (on April 18), to the Tokyo Institute of Technology (on April 22), and to the University of Tokyo (on April 24). On April 23 he visited the Shiobara Testing Station, the location of the world's largest impulse generator. The afternoon of April 24 was spent at Takayama High Voltage Power Laboratory, where he was shown development work and testing done for the Japanese Power Industry. On April 25 he spent half of the day at the Central Research Institute of Electric Power Industry, and the other half at the Government's Electrotechnical Laboratory of the Ministry of Industry and Commerce. One of the topics discussed was the present stride of the Japanese industry in the area of solid-state High Voltage DC conversion.

PROF. I. W. SMITH has retired after a two year term as chairman of the Canadian Accreditation Board and was presented with a B & D Tool Shop at the annual meeting of the Canadian Council of Professional Engineers held recently in Winnipeg. During the six years he was a member of C.A.B., criteria and procedures for accrediting the 134 engineering degree programs at 24 universities across Canada have been established and specifications for over 100 examinations in the various engineering disciplines have been developed for use in assessment of candidates who are not graduates of accredited programs.

The Canadian Accreditation Board was formed in 1965, with PROF. P. P. BRINGER as its first chairman, to achieve national uniformity in the specification of academic standards for admission to the engineering profession and its accreditation work is solely for that purpose.

PROF. SMITH, who is Cockburn Professor of Engineering Design, has presented invited seminars on the development of engineering design teaching methods at eight Canadian universities from Nova Scotia Technical College to the University of Alberta.

DR. D. L. ALLEN gave a seminar on "Noise and Vibrations in Buildings" to the Local Section of the Society of Experimental Stress Analysis May 16.

PROF. B. TABARROK attended the seminar on Problems of Structural Mechanics in Turbomachinery, sponsored by N.R.C. on May 11 in Montreal and chaired the morning's session.

### Music

DEAN JOHN BECKWITH addressed the Ontario Music Educators Association at their annual meeting June 6 at York University on "Teaching New Music - What? How? Why?" On June 5 at the annual conference of the Canadian Music Council in Banff, Dean Beckwith was one of four recipients of

the Council's annual awards for service to Canadian music. The award is in the form of a medal designed by the Montreal sculptor, Charles Daudelin. The other recipients for 1972 were LIONEL DAUNAIS, LEOPOLD SIMONEAU, and R. MURRAY SCHAFER. Dean Beckwith's "Five Songs from Canadian Folk Collections" have been recorded by MAUREEN FORRESTER on the London/Select label.

The following Faculty of Music representatives attended the annual conference of the Canadian Association of University Schools of Music at McGill, June 7-10: DEAN BECKWITH, PROFS. SCHABAS, KLEIN, MOREY, CHANDLER, DR. KOLINSKI, MR. BERLIN. Papers were presented by Prof. Schabas, "Contemporary Playing Practices in Performance Study"; Prof. Klein, "Stravinsky and Opera: Parable as Ethic" and Dr. Kolinski, "An Iroquois War Dance Song Cycle".

### Dentistry

DR. D. G. WOODSIDE has been appointed the 1973 Biennial Lecturer to the Australian Society of Orthodontists Foundation for Research and Education. This appointment involves the presentation of courses in orthodontics in the capital city of each of the five mainland states in Australia during November 1973.

DR. D. C. SMITH was a Canadian delegate to the International Standards Organization Technical Committee 106 for Dentistry, which discussed the formulation of international dental standards in London, Eng. from May 27 to June 2.

DR. D. W. LEWIS has been appointed the dental consultant to Dr. E. H. Botterell of Queen's University, who is inquiring into health care services of the Province of Ontario Department of Correctional Services. Dr. Lewis will inquire into, and report upon, dental care services rendered within institutions under the Department's control.

DR. D. C. SMITH will visit Australia and New Zealand during July and August to lecture in Brisbane, Melbourne, Sydney and Adelaide, and he will be a principal speaker at the 6th Biennial Conference of the New Zealand Dental Association.

PROF. E. HARVOLD, Head of the Department of Or-facial Anomalies, San Francisco Medical Centre, presented a lecture entitled "Experiments on the Etiology of Malocclusion" on May 30.

PROF. T. KOULOURIDES, Senior Scientist, Institute of Dental Research, University of Alabama in Birmingham, presented a lecture entitled "Studies of Experimental Caries in Humans", on May 3.

### Linguistic Studies

PROF. MARTIN JOOS recently spoke on "Definition Theory; A Problem of Semiology" at the International Conference on Lexicography in English sponsored in New York by the New York Academy of Sciences.

At the same conference PROF. HENRY A. GLEASON JR. talked on "Grammatical Prerequisites".

### Aerospace Studies

DR. G. N. PATTERSON presented an after-dinner speech on "Interface Between Aerospace Science and Mechanical Engineers" to the Central Branch of the Institute of Mechanical Engineers on Oct. 5.

DR. I. I. GLASS visited the National Aero-  
(See overleaf)

## Governing Council to meet on July 4

The first meeting of the new Governing Council of the University of Toronto will be held on Tuesday, July 4, at 4.30 p.m., in the Council Chamber, Simcoe Hall. Tickets for admission to the meeting will be available at the information desk in the foyer of Simcoe Hall on July 4. All sessions of the Council are open to the public.

## Oceanographer explains why lake stays cold

A University of Toronto oceanographer, Dr. A. H. Lee, has made an analysis of the thermal and chemical characteristics of Lake Ontario in relation to space and time, which explains why the lake water takes so long to warm up, no matter how brightly the sun may shine from March to June.

Dr. Lee's conclusions were reached on the basis of 60 survey cruises by U of T's Great Lakes Institute research vessel *Porte Dauphine*.

Water is densest and therefore heaviest when its temperature is at 4 degrees Centigrade, just four degrees above the melting point of ice, Dr. Lee noted. Cruises by the *Porte Dauphine* in mid-February show that, at depths down to 50 metres, it is hard to find water with a temperature above 2° C. At greater depths, the water gets a little warmer, but rarely higher than 3° C.

Imagine a column of water several hundred feet, at a uniform 3° C, in a specific part of the lake. As the sun heats it at the surface, the water, as it approaches 4° C, becomes denser and sinks and colder, lighter water rises to replace it. This colder water in turn will be warmed, become denser, and sink. No water in the column has a chance to rise above 4° C until all the water below has been heated to that critical temperature.

The shorter the column, the less water there will be to heat and the critical point will be reached inshore more quickly. But the bottom falls off rapidly and in most parts of the lake there is a lot of water to be heated. In mid-May, water in the central areas of Lake Ontario has a time- and space-average temperature of 3.2° C, at the deepest point or near the surface. Where most Toronto small craft are sailed, the average temperature at the surface is below the 4 degree mark and is about 3.5 at 50 metres.

By mid-June the temperature is beginning to rise and by mid-August waters in the Toronto area are about 16° C (62° F) at the surface and 10° C at 20 metres' depth. But a storm can mix the water and reduce the temperature. By mid-November temperatures will have dropped again.

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space Laboratory, Tokyo, Japan, in order to discuss current research problems in gas-dynamics and shock wave phenomena, Aug. 30. On Aug. 31, Dr. Glass visited the Department of Aeronautical and Space Engineering, Faculty of Engineering, University of Tokyo, to discuss current problems in aerospace engineering. On Sept. 1, he visited the Department of Aeronautical Engineering, Faculty of Engineering, Nagoya University, and discussed current education and research and development problems. He visited Mitsubishi Heavy Industries, Ltd., Nagoya Aerospace Branch. On Sept. 3 he visited the Department of Aeronautical Engineering, Faculty of Engineering, Kyoto University, where he gave a talk on "The Gasdynamics of Explosions To-Day" for the Kansai Branch of the Japan Society of Aeronautical and Space Sciences. On Sept. 6 he visited the Physics Department, University of Hiroshima to discuss their shock-tube research.

Dr. Glass also visited the Peace Museum

## Project 'Open Window' for 12-16 year olds

"Open Windows on Taddle Creek" is a mixture of creative classes, projects and excursions planned for those between the ages of 12 and 16 for the period July 4-Aug. 18.

A few of the many activities are: crafts, dance, drawing, ecologies, fencing, film, music, photography, sculpture, as well as excursions to Stratford, Kleinburg, Pioneer Village, Niagara, theatres and art galleries.

Everything is free except for a \$2 registration fee. Send name, address and phone number, along with the fee to Open Windows on Taddle Creek, Trinity College, University of Toronto. Telephone between 2 and 4 p.m. to 928-2424.

## Charges for use of U of T computers

The Office of Research Administration has announced that the Presidential Advisory Committee on Computer Policy and Planning has made the following recommendations with respect to charges for research use of University computers:

For all grants or contracts, except those from the National Research Council, Medical Research Council, and Canada Council, resulting from applications submitted after July 1st, 1972, there will be no subsidy. It is recommended that the subsidy for such grants from the National Research Council, Medical Research Council, and Canada Council be 70%. It is expected that the prices of the various computer services will remain substantially as at present. The following guidelines should be used in preparing any application to be submitted after June 30th, 1972:

1. Full estimated cost should be applied for based on existing schedules.
2. Overhead, at the rate of 30% of the direct computer costs asked, should be requested on all applications where overhead is obtainable.

in Hiroshima where he had discussions with its director and also with the Professor of International Law of the University of Hiroshima. On Sept. 9 he visited Hitachi, Ltd., Hitachi Factory Research Laboratory, and the Japan Atomic Energy Institute at Hitachi. On Sept. 10 he visited the Tokyo Administrative Offices of the National Space Development Agency and gave a lecture on "Space and Man" at the National Aerospace Laboratory, Tokyo, under the auspices of the Japan Society of Aeronautical and Space Sciences. On Sept. 11 he visited the Institute of Space and Aeronautical Science, University of Tokyo, where he gave a lecture on "The Gasdynamics of Explosions To-Day" for the annual Domestic Shock Tube Symposium. From Sept. 12 to Sept. 17, Dr. Glass participated in the International Union of Theoretical and Applied Mechanics Symposium on the Dynamics of Ionized Gases, at the Japan Science Centre in Tokyo. The symposium was attended by about 40 foreign delegates and about a hundred from Japan. He was chairman of a session on the application of diagnostic methods to investigate plasmas. He also gave a paper on the "Corner-Expansion Flow of Ionized Argon" on Sept. 17.

Dr. Glass attended a conference and an annual general meeting of the Association of the Scientific, Engineering, and Technological Community of Canada (Scitec) in Ottawa, on Feb. 25 and 26.

PROF. B. ETKIN gave a seminar on March 21 to staff and students at the University of Western Ontario on the subject "Some Aero-

dynamic Problems Associated with Natural Wind and Rain".

DR. S. J. TOWNSEND attended the 12th Symposium on the Engineering Aspects of Magnetohydrodynamics at the Argonne National Laboratory, Illinois, March 27-29. A paper by C. S. KIM and Dr. Townsend "A Two-Point Correlation Description of the Properties of a Plasma Subjected to the Electrothermal Instability" was presented by Mr. Kim.

## Will you act as host to summer students?

Members of the University are asked to take into their families for four or six weeks students attending the English Language Summer School at U of T. They will be largely from Quebec, but some will come from foreign countries. Their objective will be to learn to communicate accurately and effectively in English within an English-speaking cultural framework.

While students will pay for room and board, it is stressed that the circumstances require that their hosts accept them as members of the family, sharing meals and (to the extent possible) social relationships in a way that will provide a first-hand appreciation of English Canadian life-style, in addition to the more obvious benefit of increased opportunity to use English.

For details write or telephone Warren Jevons, Division of University Extension (928-5236).

# COMING EVENTS

## JUNE

### 30 FRIDAY

Party

Wine and cheese party — Graduate Students' Union, 16 Bancroft St. Every Friday — everyone welcome. 4-7 p.m. 40¢ (GSU)

## JULY

### 5 WEDNESDAY

Theatre

"The Life and Death of Almost Everybody" by David Campton, directed by Wayne Fairhead. Summer Centre Theatre, 4 Glen Morris St. (923-8705). July 5-15. 8.30 p.m. Free (Drama Centre)

### 19 WEDNESDAY

Theatre

"In the Wind of the World's Anger" by Angus Braid, directed by Sheldon Clarke. Summer Centre Theatre, 4 Glen Morris St. July 19-29. 8.30 p.m. Free (Drama Centre)

## AUGUST

### 2 WEDNESDAY

Theatre

"Charisma" by Martin Hunter, directed by Tony Stephenson. Summer Centre Theatre, 4 Glen Morris St. Aug. 2-12. 8.30 p.m. Free (Drama Centre)

## U of T alumni win merit citation

The University of Toronto Alumni Association has received the Citation of Merit of the American Alumni Council for 1972. The award recognizes alumni associations for exceptional programs and activities.

Selected from among the Council's 1,500 member institutions, the University of Toronto is one of three universities so honoured this year and is the first Canadian institution to be thus cited.

The University of Toronto award was based on "Alumni in the University

Community" — the Report of the President's Committee on Long Range Planning on Alumni Affairs. The chairman of the committee was H. Ian Macdonald, an alumnus of University College.

The report, among other things, recommended that the alumni estate be formally represented on the governing body of the University. On July 1 this year the new Governing Council of the University will include eight members elected by the alumni from among the alumni.